Washington **Grade 5**

LineUp With Math™ Alignment
Essential Academic Learning Requirements
And Grade Level Expectations

EALR 2: The student uses mathematics to define and solve problems.

Component 2.1: Understand problems.

GLE 2.1.1 Analyze a situation to define a problem.

Evidences of Learning	***LineUp With Math*™ Activities**
▪ Use strategies/approaches to examine the situation and determine if there is a problem to solve (e.g., draw pictures, ask questions, or paraphrase information provided.	--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. --Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.
▪ Generate questions that would need to be answered in order to solve the problem	--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.
▪ Identify known and unknown information.	--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.
▪ Identify information that is needed or not needed.	--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.

Component 2.2: Apply strategies to construct solutions.

GLE 2.2.1 Apply strategies, concepts, and procedures to devise a plan to solve the problem.

Evidences of Learning	***LineUp With Math*™ Activities**
▪ Gather and organize the necessary information or data from the problem (e.g., draw pictures, create a chart or table, or use models to organize information).	--Use an interactive simulator plus calculation worksheets to model and resolve air traffic control conflicts.

EALR 3: The student uses mathematical reasoning.

Component 3.2: Make predictions, inferences, conjectures, and draw conclusions.

GLE 3.2.1 Apply prediction and inference skills.

Evidences of Learning	***LineUp With Math*™ Activities**
▪ Make a reasonable prediction based on prior knowledge and investigation of situation.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.
▪ Defend prediction with evidence from the situation.	--Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.

EALR 5: The student understands how mathematical ideas connect within mathematics, to other subject areas, and to real-life situations.	
Component 5.2: Relate mathematical concepts procedures to other disciplines.	
GLE 5.2.1 Apply mathematical patterns and ideas in familiar situations in other disciplines.	
Evidences of Learning ▪ Use estimation strategies and identify the reasonableness of answers.	***LineUp With Math™* Activities** --Predict and resolve aircraft conflicts and explain results of mathematical calculations and simulations.
Component 5.3: Relate mathematical concepts procedures to real-world situations.	
GLE 5.3.1 Understand that mathematics is used in daily life and extensively outside the classroom.	
Evidences of Learning	***LineUp With Math™* Activities** --Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.